

# AC 300-6

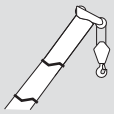


**All Terrain Crane**

350UST CAPACITY CLASS

**PRELIMINARY**

	Page:
Dimensions .....	4
Specifications .....	6
Equipment .....	7
Counterweight .....	8



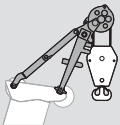
## HA

Main boom .....	10
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## HAV
















Folding swing-away jib .....	13
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



## MS

Runner .....	16
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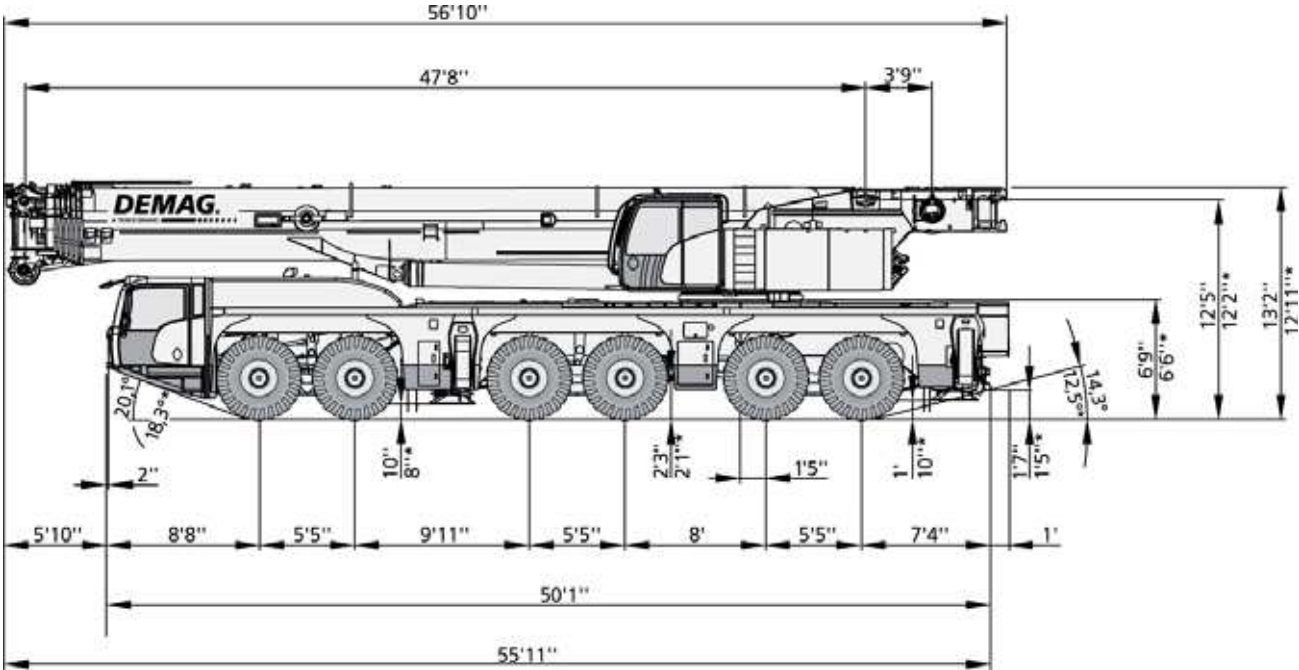
Technical description .....	20
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	Counterweight
	Lifting capacities on outriggers - 360°
	Radius
	Main boom
	Folding swing-away jib
	Runner
	Max. axle loads
	Mechanism
	Tires
	Hook block
	Hoist
	Dolly
	Travel speed
	Gradeability – road
	Gradeability – off road

	Slewing
	Boom telescoping
	Boom elevation
	Working speeds
	Max. line pull
	Rope diameter
	Rope length
	Hook block (capacity-sheaves-rope diameter)
	Number of lines
	Possible load of hook block
	Weight of hook block
	Distance head sheave axle – hook ground
	Number of sheaves in boom head
	Supporting force
	Length of stroke (support cylinders)

# DIMENSIONS

# AC 300-6

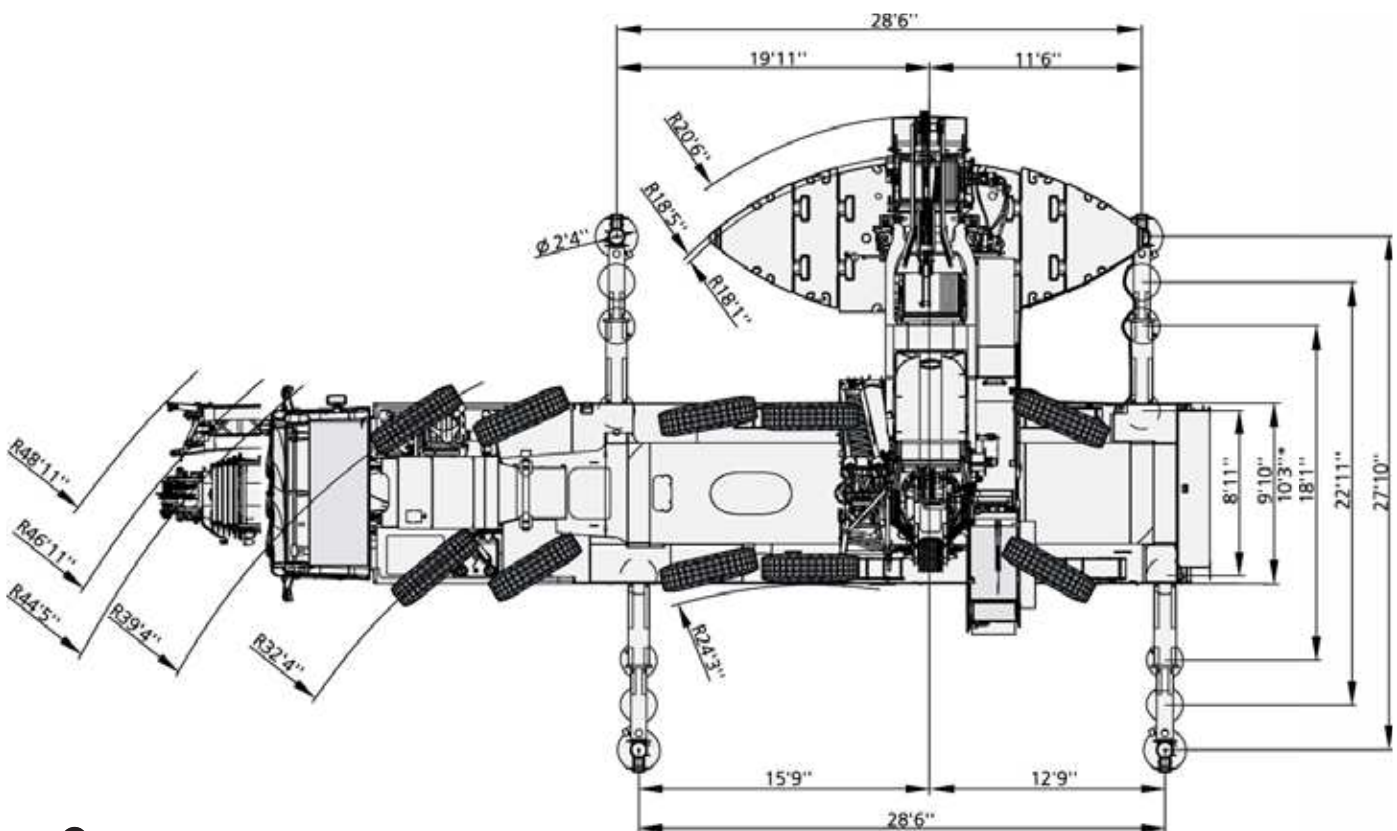


⊙ 445/95 R25 / 525/80 R25

\* ⊙ 385/95 R25

# DIMENSIONS

AC 300-6















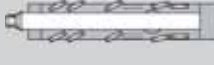

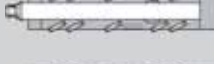


⊙ 385/95 R25 / 445/95 R25

\* ⊙ 525/80 R25





# SPECIFICATIONS

# AC 300-6





										
	Total									
< 26,500 lb	On request and technical verification!									X
26,500 lb	158,800 lb	12 x 6 x 10	385/95R25	262.5 ft	40-1-24	-	-	-	1,540 lb	-
26,500 lb	158,800 lb	12 x 8 x 12	445/95R25	262.5 ft	-	-	-	-	-	-
35,300 lb	209,500 lb	12 x 8 x 12	445/95R25	262.5 ft	80-3-23	42,300 lb	68.9 ft	-	1,760 lb	-












	1 Highway > 28 mph		4* Off-wall
	2 City < 28 mph		5* Crab steer mode
	3* Minimum turning radius < 3.1 mph		6* Manually steered







\* must be activated

		
	249,200 lb	284,500 lb
	19.3"	22.0"
		52.8 mph <sup>1)</sup>

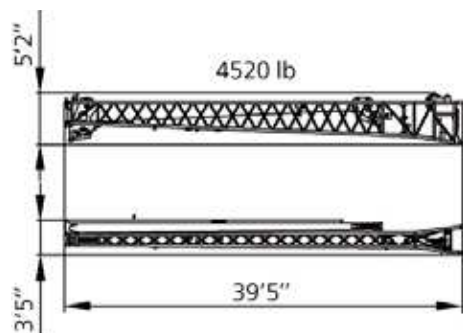
<sup>1)</sup> Depending on tire type, size and country specific legislation

			
	385 / 95 R25 14.00 R25	445 / 95 R25 16.00 R25	525 / 80 R25 20.50 R25
	51 %	45 %	45 %
	63 %	56 %	56 %

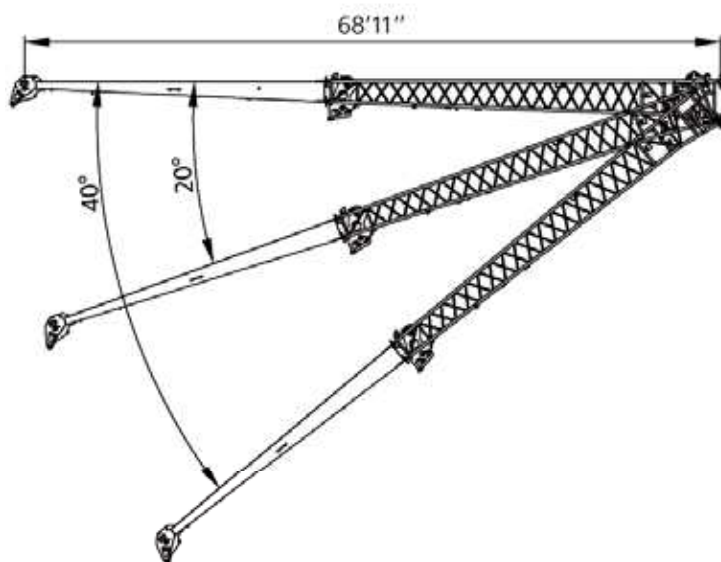
				
				
	413.4 ft <sup>3</sup> /min	25,850 lb	0.92"	1200 ft
	413.4 ft <sup>3</sup> /min	25,850 lb	0.92"	1200 ft
	1,0 min <sup>-1</sup>			
	596 s (47.6-262.5 ft)			
	57 s (0°-83°)			

					
1	25,600	12,5-0-24	4	1,100	6.6 ft
2	50,900	40-1-24	4	1,650	8.9 ft
3	76,000	40-1-24	4	1,650	8.9 ft
4	101,000	80-3-23	4	2,320	9.8 ft
5	125,500	80-3-23	4	2,320	9.8 ft
6	149,900	80-3-23	4	2,320	9.8 ft
7	174,000	80-3-23	4	2,320	9.8 ft
8	197,800	125-5-23	4	2,650	9.8 ft
9	221,600	125-5-23	4 + 1	2,650	9.8 ft
10	245,000	125-5-23	4 + 1	2,650	9.8 ft
11	268,100	125-5-23	4 + 1 + S1	2,650	9.8 ft
12	291,000	160-7-23	4 + 1 + S1	3,750	9.8 ft
13	313,800	160-7-23	4 + 1 + S1	3,750	9.8 ft
14	336,300	160-7-23	4 + 1 + S1	3,750	9.8 ft

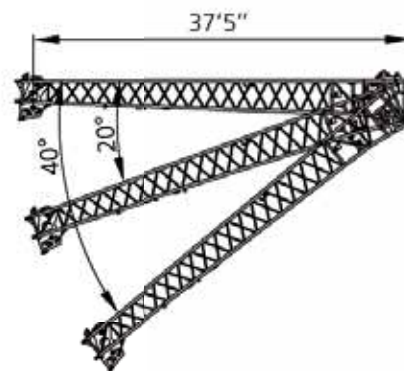
## HAV



HAV 68.9 ft



HAV 36.1 ft

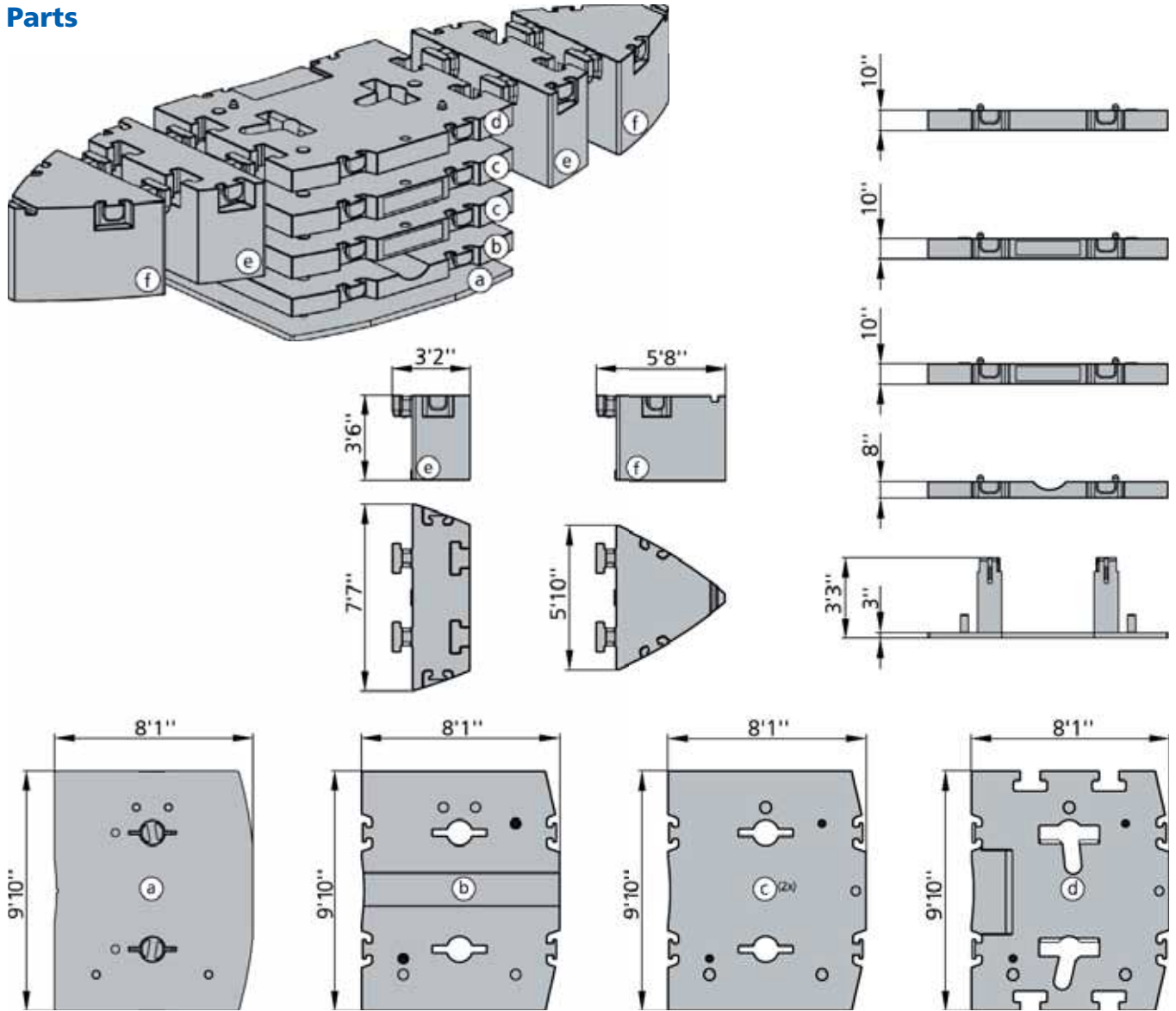




# COUNTERWEIGHT

AC 300-6

## Parts



## Configurations

	Ⓐ 10,800 lb	Ⓑ 21,200 lb	Ⓒ 26,900 lb	Ⓒ 26,900 lb	Ⓓ 24,000 lb	Ⓔ 24,300 lb	Ⓔ 24,300 lb	Ⓕ 24,300 lb	Ⓕ 24,300 lb
0 lb									
10,800 lb	X								
32,000 lb	X	X							
58,900 lb	X	X	X						
85,800 lb	X	X	X	X					
109,800 lb	X	X	X	X	X				
158,300 lb	X	X	X	X	X	X	X		
158,300 lb	X	X	X	X	X			X	X
206,800 lb	X	X	X	X	X	X	X	X	X

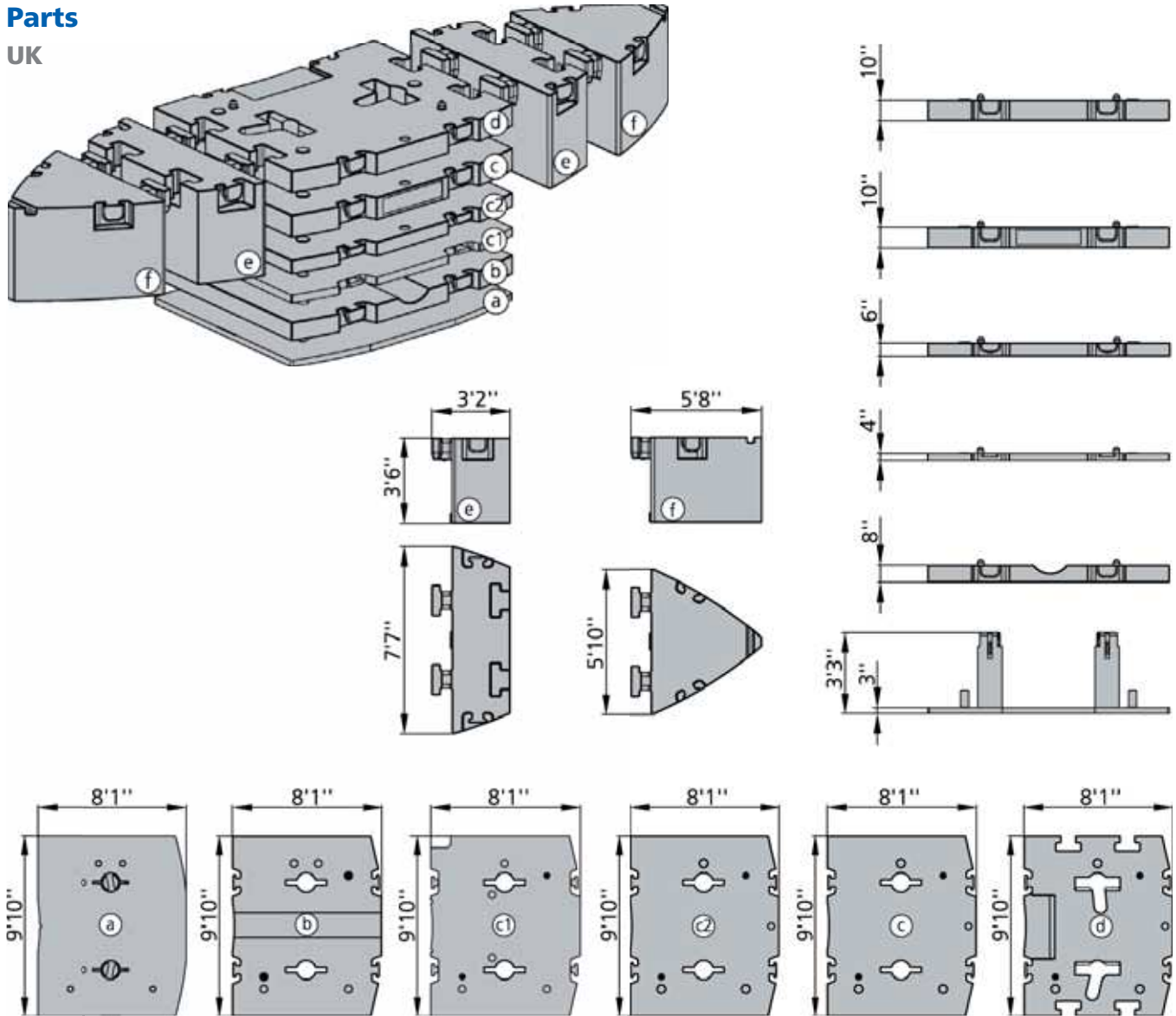


# COUNTERWEIGHT

AC 300-6

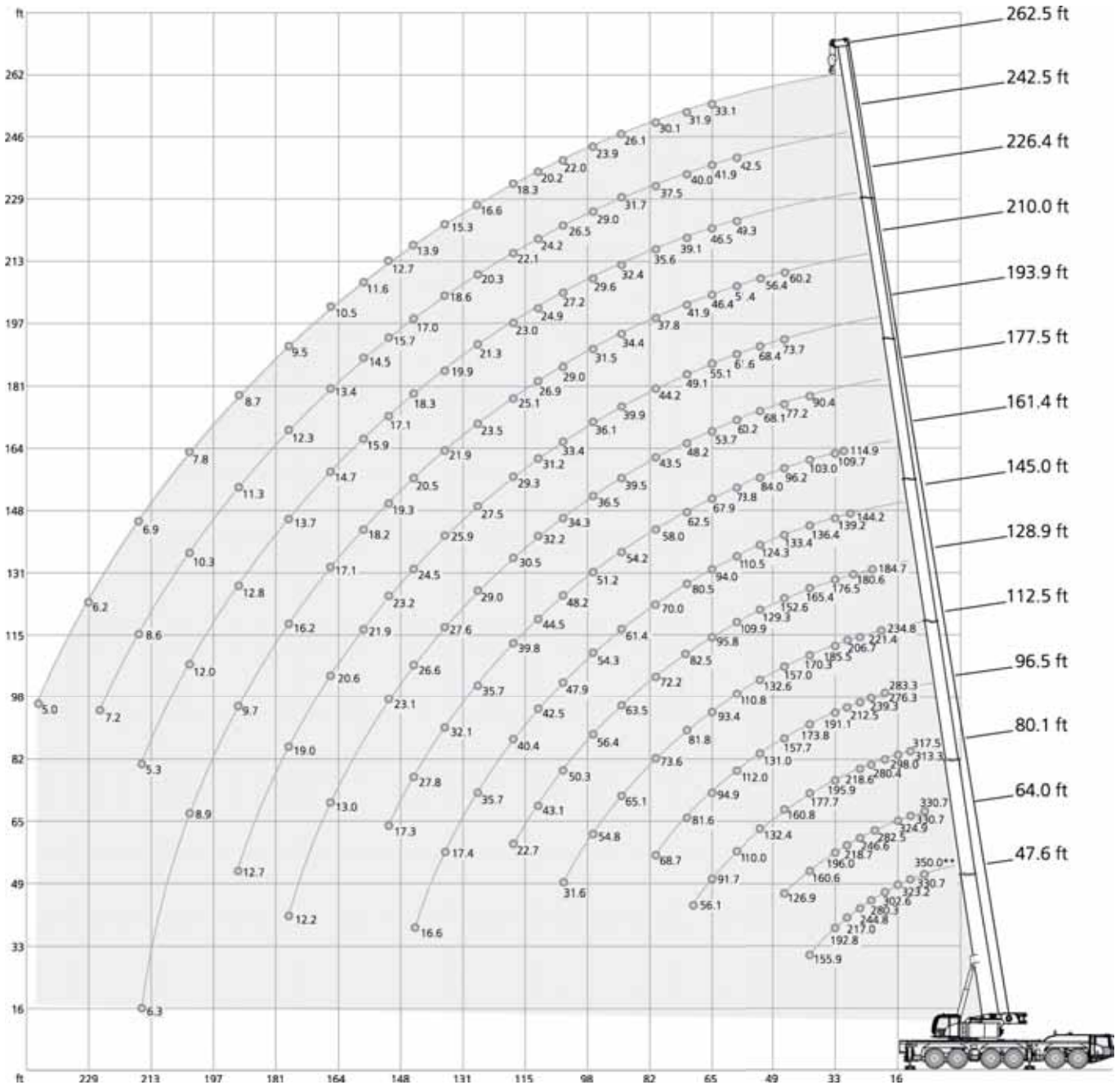
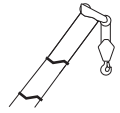
## Parts

UK



## Configurations

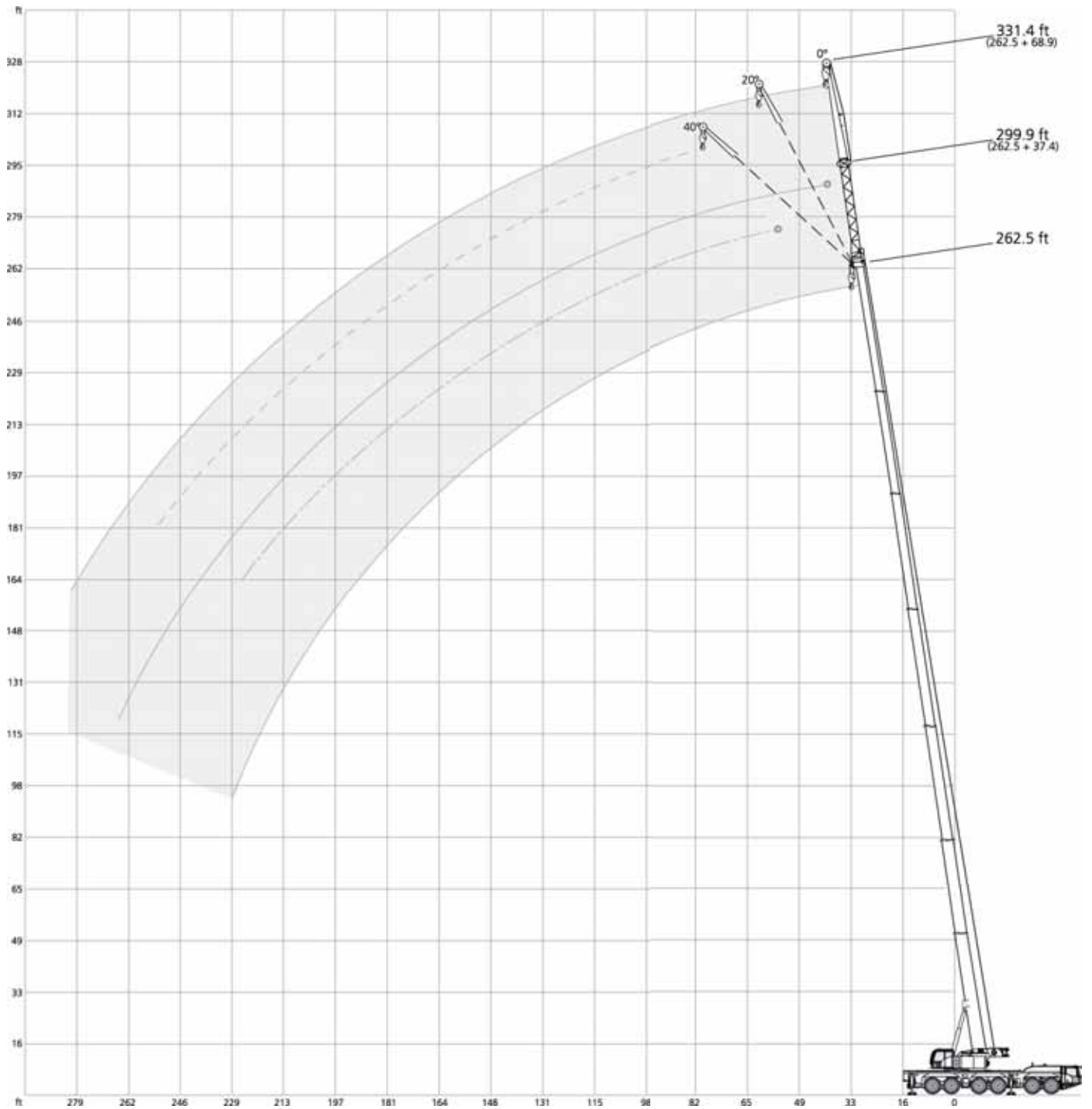
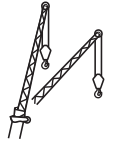
	Ⓐ10,800 lb	Ⓑ21,200 lb	Ⓒ10,400 lb	Ⓓ16,500 lb	Ⓔ26,900 lb	Ⓕ24,000 lb	Ⓖ24,300 lb	Ⓗ 24,300 lb	Ⓙ 24,300 lb	Ⓚ 24,300 lb
0 lb										
10,800 lb	X									
32,000 lb	X	X								
42,300 lb	X	X	X							
58,900 lb	X	X	X	X						
85,800 lb	X	X	X	X	X					
109,800 lb	X	X	X	X	X	X				
158,300 lb	X	X	X	X	X	X	X	X		
158,300 lb	X	X	X	X	X	X			X	X
206,800 lb	X	X	X	X	X	X	X	X	X	X



206,800 lb		28.5 ft x 27.8 ft														360°		85%	
0°		(ft)																	
ft		47.6	47.6	64.0	80.1	96.5	112.5	128.9	145.0	161.4	177.5	193.9	210.0	226.4	242.5	262.5	ft		
1,000 lb																			
	700.0*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
10	330.7	330.7	330.7	317.5	-	-	-	-	-	-	-	-	-	-	-	-		10	
12	330.7	330.7	330.7	317.5	283.3	-	-	-	-	-	-	-	-	-	-	-		12	
14	330.7	330.7	330.7	317.5	283.3	-	-	-	-	-	-	-	-	-	-	-		14	
16	330.7	323.2	324.9	313.3	283.3	-	-	-	-	-	-	-	-	-	-	-		16	
18	315.2	302.6	304.8	298.0	276.3	234.8	-	-	-	-	-	-	-	-	-	-		18	
20	295.6	280.3	282.5	280.4	266.8	232.6	184.7	-	-	-	-	-	-	-	-	-		20	
24	256.6	244.8	246.6	245.9	239.3	221.4	183.4	144.2	-	-	-	-	-	-	-	-		24	
28	223.9	217.0	218.7	218.6	212.5	206.7	180.6	141.7	114.9	-	-	-	-	-	-	-		28	
32	194.1	192.8	196.0	195.9	191.1	185.8	176.5	139.2	109.7	-	-	-	-	-	-	-		32	
36	155.9	155.9	177.7	177.7	173.8	170.3	165.4	136.4	103.0	90.4	-	-	-	-	-	-		36	
40	-	-	160.6	160.8	157.7	157.0	152.6	133.4	96.2	86.6	73.7	-	-	-	-	-		40	
48	-	-	126.9	132.4	131.0	132.6	129.3	124.3	84.0	77.2	68.4	60.2	-	-	-	-		48	
56	-	-	-	110.0	112.0	110.8	109.9	110.5	73.8	68.1	61.6	56.4	49.3	42.5	-	-		56	
64	-	-	-	91.7	94.9	93.4	95.8	94.0	67.9	60.2	55.1	51.4	46.5	41.9	33.1	-		64	
72	-	-	-	56.1	81.6	81.8	82.5	80.5	62.5	53.7	49.1	46.4	42.9	40.0	33.1	-		72	
80	-	-	-	-	68.7	73.6	72.2	70.0	58.0	48.2	44.2	41.9	39.1	37.5	31.9	-		80	
88	-	-	-	-	-	65.1	63.5	61.4	54.2	43.5	39.9	37.8	35.6	34.5	30.1	-		88	
96	-	-	-	-	-	54.8	56.4	54.3	51.2	39.5	36.1	34.4	32.4	31.7	28.1	-		96	
104	-	-	-	-	-	31.6	50.3	47.9	48.2	36.5	33.4	31.5	29.6	29.0	26.1	-		104	
112	-	-	-	-	-	-	43.1	42.5	44.5	34.3	31.2	29.0	27.2	26.5	23.9	-		112	
120	-	-	-	-	-	-	22.7	40.4	39.8	32.2	29.3	26.9	24.9	24.2	22.0	-		120	
128	-	-	-	-	-	-	-	35.7	35.7	30.5	27.5	25.1	23.0	22.1	20.2	-		128	
136	-	-	-	-	-	-	-	17.4	32.1	29.0	25.9	23.5	21.3	20.3	18.3	-		136	
144	-	-	-	-	-	-	-	16.6	27.8	27.6	24.5	21.9	19.9	18.6	16.6	-		144	
152	-	-	-	-	-	-	-	-	17.3	26.6	23.2	20.5	18.3	17.0	15.3	-		152	
160	-	-	-	-	-	-	-	-	-	23.1	21.9	19.3	17.1	15.7	13.9	-		160	
168	-	-	-	-	-	-	-	-	-	13.0	20.6	18.2	15.9	14.5	12.7	-		168	
176	-	-	-	-	-	-	-	-	-	12.2	19.0	17.1	14.7	13.4	11.6	-		176	
184	-	-	-	-	-	-	-	-	-	-	12.7	16.2	13.7	12.3	10.5	-		184	
192	-	-	-	-	-	-	-	-	-	-	-	9.7	12.8	11.3	9.5	-		192	
200	-	-	-	-	-	-	-	-	-	-	-	8.9	12.0	10.3	8.7	-		200	
208	-	-	-	-	-	-	-	-	-	-	-	7.8	9.4	9.4	7.8	-		208	
216	-	-	-	-	-	-	-	-	-	-	-	6.3	5.3	8.6	6.9	-		216	
224	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	6.2	-		224	
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	-		232	
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-		240	

\* Capacity class

109,800 lb		28.5 ft x 27.8 ft												360°		85%	
		(ft)															
		47.6	64.0	80.1	96.5	112.5	128.9	145.0	161.4	177.5	193.9	210.0	226.4	242.5	262.5		
ft		1,000 lb														ft	
10		330.7	330.7	317.5	-	-	-	-	-	-	-	-	-	-	-	-	10
12		330.7	330.7	317.5	283.3	-	-	-	-	-	-	-	-	-	-	-	12
14		330.7	330.7	317.5	283.3	-	-	-	-	-	-	-	-	-	-	-	14
16		315.7	316.6	313.3	283.3	-	-	-	-	-	-	-	-	-	-	-	16
18		293.2	294.3	294.3	276.3	234.8	-	-	-	-	-	-	-	-	-	-	18
20		271.6	272.8	272.8	266.7	232.6	184.7	-	-	-	-	-	-	-	-	-	20
24		235.2	237.7	237.7	236.5	220.6	183.4	144.2	-	-	-	-	-	-	-	-	24
28		199.3	202.4	202.5	201.1	198.8	180.6	141.7	114.9	-	-	-	-	-	-	-	28
32		169.1	172.4	172.4	174.1	173.3	164.2	139.2	109.7	-	-	-	-	-	-	-	32
36		143.3	152.3	150.6	153.1	151.6	144.0	131.9	103.0	90.4	-	-	-	-	-	-	36
40		-	132.5	133.6	133.1	131.6	130.9	122.7	96.2	86.6	73.7	-	-	-	-	-	40
48		-	99.0	100.2	103.6	103.0	100.9	96.8	84.0	77.2	68.4	60.2	-	-	-	-	48
56		-	-	81.1	81.7	80.8	78.8	76.1	73.8	68.1	61.6	56.4	49.3	42.5	-	-	56
64		-	-	66.0	66.3	65.2	63.2	63.9	63.0	58.7	55.1	51.4	46.5	41.9	33.1	-	64
72		-	-	54.7	54.7	53.6	54.8	54.0	51.4	49.5	48.4	46.4	42.9	40.0	33.1	-	72
80		-	-	-	46.1	46.3	47.4	45.4	43.6	44.1	42.2	40.8	38.9	37.5	31.9	-	80
88		-	-	-	-	41.7	40.6	38.6	38.8	37.5	37.8	36.8	34.9	34.1	30.1	-	88
96		-	-	-	-	36.2	35.1	34.0	34.2	33.7	32.5	32.0	31.0	29.5	28.1	-	96
104		-	-	-	-	30.9	30.5	31.1	29.6	29.9	29.3	27.9	26.4	26.1	24.6	-	104
112		-	-	-	-	-	26.8	27.6	26.8	26.0	25.4	24.1	22.3	22.5	20.5	-	112
120		-	-	-	-	-	22.7	24.4	24.2	23.2	21.9	20.7	19.1	19.1	17.3	-	120
128		-	-	-	-	-	-	21.5	21.4	20.5	19.2	18.1	16.1	16.3	14.3	-	128
136		-	-	-	-	-	-	17.4	18.9	18.0	16.6	15.5	13.5	13.8	11.8	-	136
144		-	-	-	-	-	-	16.6	16.9	15.9	14.4	13.3	11.3	11.6	9.6	-	144
152		-	-	-	-	-	-	-	15.0	13.9	12.5	11.2	9.4	9.5	7.7	-	152
160		-	-	-	-	-	-	-	-	12.3	10.7	9.6	7.6	7.9	6.1	-	160
168		-	-	-	-	-	-	-	-	10.8	9.3	8.1	6.2	6.3	4.6	-	168
176		-	-	-	-	-	-	-	-	9.5	7.9	6.6	4.8	4.8	3.1	-	176
184		-	-	-	-	-	-	-	-	-	6.7	5.4	3.6	3.6	-	-	184
192		-	-	-	-	-	-	-	-	-	-	4.2	-	-	-	-	192
200		-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	200



206,800 lb		28.5 ft x 27.8 ft		360°		85%											
47.6 ft								145.0 ft									
37.4 ft				68.9 ft				37.4 ft				68.9 ft					
ft		0°	20°	40°	0°		20°	40°	ft		0°	20°	40°	0°		20°	40°
1,000 lb								1,000 lb									
10	52.0	-	-	-	-	-	-	28	52.0	-	-	-	19.9	-	-		
12	52.0	-	-	-	24.0	-	-	32	52.0	-	-	-	19.7	-	-		
14	52.0	-	-	-	23.7	-	-	36	52.0	-	-	-	19.3	-	-		
16	52.0	-	-	-	23.3	-	-	40	51.7	32.5	-	-	18.9	-	-		
18	52.0	-	-	-	22.9	-	-	48	47.3	30.4	22.5	-	18.2	-	-		
20	52.0	37.5	-	-	22.6	-	-	56	43.0	28.5	21.7	-	17.5	13.5	-		
24	51.1	34.5	-	-	21.9	-	-	64	39.3	26.8	20.9	-	16.9	12.9	-		
28	46.4	31.8	-	-	21.3	-	-	72	36.0	25.4	20.3	-	16.3	12.1	-		
32	41.1	29.7	23.4	-	20.3	-	-	80	33.1	24.1	19.8	-	15.6	11.6	9.2		
36	37.2	27.8	22.4	-	19.3	-	-	88	30.6	23.0	19.3	-	15.0	11.1	8.9		
40	33.8	26.0	21.5	-	18.3	14.2	-	96	28.6	22.1	18.9	-	14.2	10.5	8.7		
48	29.0	23.4	20.2	-	16.0	12.9	-	104	26.9	21.3	18.6	-	13.3	10.2	8.6		
56	25.4	21.2	19.0	-	14.3	11.7	-	112	25.3	20.5	18.3	-	12.5	9.7	8.4		
64	22.2	19.7	-	-	12.7	10.7	9.4	120	23.9	19.7	18.1	-	11.9	9.4	8.2		
72	19.9	18.5	-	-	11.5	9.9	8.8	128	22.7	19.2	18.0	-	11.2	9.1	8.0		
80	-	-	-	-	10.5	9.4	8.5	136	21.6	18.6	14.6	-	10.7	8.9	7.9		
88	-	-	-	-	9.6	8.7	8.2	144	20.6	18.3	-	-	10.4	8.6	7.9		
96	-	-	-	-	9.0	8.5	-	152	19.7	18.1	-	-	9.9	8.4	7.9		
104	-	-	-	-	8.4	-	-	160	19.0	11.7	-	-	9.5	8.3	7.9		
								168	10.9	-	-	-	9.1	8.1	-		
								176	10.2	-	-	-	8.9	8.0	-		
								184	-	-	-	-	8.6	7.9	-		
								192	-	-	-	-	8.3	-	-		
								200	-	-	-	-	8.2	-	-		

242.5 ft								
37.4 ft				68.9 ft				
ft		0°	20°	40°	0°		20°	40°
1,000 lb								
64	24.5	-	-	-	12.6	-	-	
72	24.5	-	-	-	12.4	-	-	
80	24.5	23.1	-	-	12.3	-	-	
88	24.5	22.4	19.0	-	12.0	-	-	
96	24.5	21.8	18.6	-	11.9	10.9	-	
104	24.5	21.2	18.3	-	11.7	10.6	-	
112	23.7	20.5	18.1	-	11.5	10.3	8.4	
120	22.1	20.2	17.8	-	11.4	9.9	8.2	
128	20.5	19.6	17.5	-	11.1	9.6	8.0	
136	18.9	19.1	17.3	-	11.0	9.5	7.9	
144	17.3	17.7	16.6	-	10.8	9.3	7.9	
152	15.9	16.4	15.8	-	10.5	9.0	7.7	
160	14.6	15.0	15.0	-	10.4	8.7	7.7	
168	13.4	13.8	14.0	-	10.2	8.5	7.7	
176	12.3	12.7	12.9	-	10.0	8.4	7.7	
184	11.2	11.6	11.9	-	9.6	8.3	7.6	
192	10.2	10.6	10.8	-	9.1	8.1	7.5	
200	9.4	9.7	9.9	-	8.6	7.8	7.5	
208	8.6	8.8	8.9	-	8.1	7.6	7.5	
216	7.8	8.0	8.0	-	7.5	7.5	7.5	
224	7.1	7.2	-	-	6.9	7.2	7.4	
232	6.4	6.4	-	-	6.2	6.9	7.0	
240	5.7	5.7	-	-	5.7	6.2	6.2	
248	5.1	5.1	-	-	5.2	5.5	-	
256	-	-	-	-	4.6	4.8	-	
264	-	-	-	-	4.1	4.3	-	
272	-	-	-	-	3.5	3.7	-	
280	-	-	-	-	3.0	3.0	-	

262.5 ft								
37.4 ft				68.9 ft				
ft		0°	20°	40°*	0°*		20°*	40°*
1,000 lb								
72	19.2	-	-	-	11.2	-	-	
80	19.2	-	-	-	11.2	-	-	
88	19.2	19.2	-	-	11.0	-	-	
96	19.2	19.2	18.2	-	10.9	-	-	
104	19.2	19.2	17.9	-	10.8	10.4	-	
112	19.2	19.2	17.6	-	10.6	10.1	8.4	
120	18.9	19.1	17.4	-	10.5	9.9	8.2	
128	17.9	18.2	17.2	-	10.4	9.6	8.0	
136	16.6	17.0	16.7	-	10.2	9.3	7.9	
144	15.5	15.7	15.9	-	10.1	9.3	7.9	
152	14.1	14.6	14.8	-	9.9	9.0	7.7	
160	12.9	13.5	13.9	-	9.8	8.7	7.7	
168	11.7	12.3	12.9	-	9.6	8.5	7.6	
176	10.5	11.2	11.8	-	9.3	8.4	7.5	
184	9.6	10.1	10.9	-	9.0	8.3	7.5	
192	8.6	9.1	10.0	-	8.7	8.1	7.5	
200	7.8	8.3	9.2	-	8.2	8.0	7.5	
208	7.0	7.5	8.4	-	7.6	7.6	7.3	
216	6.2	6.7	7.5	-	7.1	7.1	7.1	
224	5.5	5.9	6.7	-	6.4	6.6	6.7	
232	4.9	5.1	-	-	5.8	6.0	6.2	
240	4.2	4.4	-	-	5.1	5.5	5.7	
248	3.6	3.8	-	-	4.5	4.9	5.1	
256	3.1	3.3	-	-	4.0	4.4	-	
264	2.7	2.8	-	-	3.4	3.9	-	
272	-	-	-	-	2.9	3.3	-	
280	-	-	-	-	2.5	2.8	-	

 \*258.5 ft

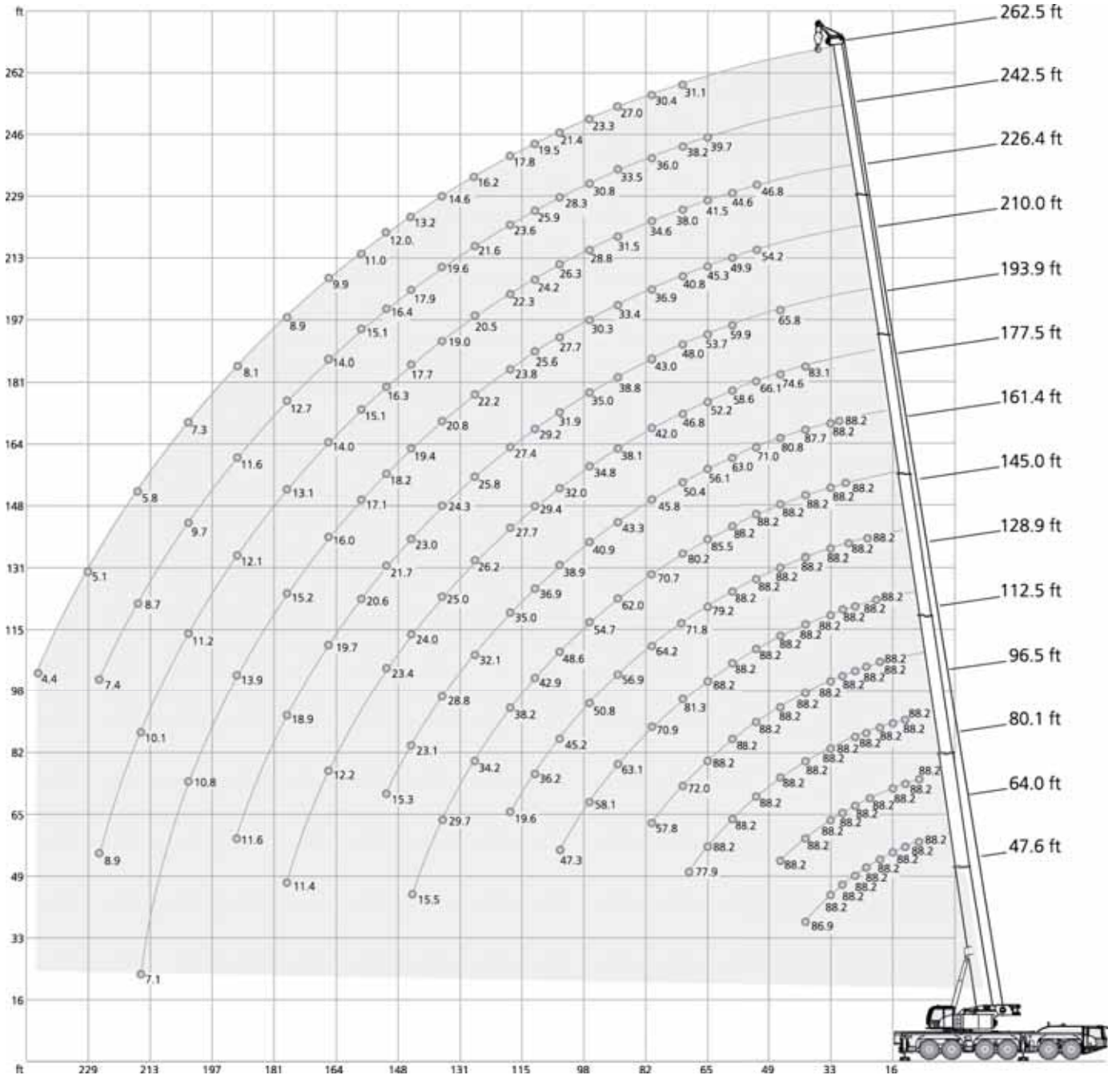
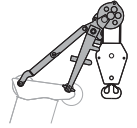
109,800 lb		28.5 ft x 27.8 ft		360°		85%											
47.6 ft								145.0 ft									
ft	0°	37.4 ft		68.9 ft		0°	20°	40°	ft	0°	37.4 ft		68.9 ft		0°	20°	40°
		20°	40°	20°	40°						20°	40°					
1,000 lb																	
10	52.0	-	-	-	-	-	-	-	28	52.0	-	-	-	19.9	-	-	-
12	52.0	-	-	24.0	-	-	-	-	32	52.0	-	-	-	19.7	-	-	-
14	52.0	-	-	23.7	-	-	-	-	36	52.0	-	-	-	19.3	-	-	-
16	52.0	-	-	23.3	-	-	-	-	40	51.7	32.5	-	-	18.9	-	-	-
18	52.0	-	-	22.9	-	-	-	-	48	47.3	30.4	22.5	-	18.2	-	-	-
20	52.0	37.5	-	22.6	-	-	-	-	56	43.0	28.5	21.7	-	17.5	13.5	-	-
24	51.1	34.5	-	21.9	-	-	-	-	64	39.3	26.8	20.9	-	16.9	12.9	-	-
28	46.4	31.8	-	21.3	-	-	-	-	72	36.0	25.4	20.3	-	16.3	12.1	-	-
32	41.1	29.7	23.4	20.3	-	-	-	-	80	33.1	24.1	19.8	-	15.6	11.6	9.2	-
36	37.2	27.8	22.4	19.3	-	-	-	-	88	30.6	23.0	19.3	-	15.0	11.1	8.9	-
40	33.8	26.0	21.5	18.3	14.2	-	-	-	96	28.6	22.1	18.9	-	14.2	10.5	8.7	-
48	29.0	23.4	20.2	16.0	12.9	-	-	-	104	26.7	21.3	18.6	-	13.3	10.2	8.6	-
56	25.4	21.2	19.0	14.3	11.7	-	-	-	112	24.9	20.5	18.3	-	12.5	9.7	8.4	-
64	22.2	19.7	-	12.7	10.7	9.4	-	-	120	22.5	19.7	18.1	-	11.9	9.4	8.2	-
72	19.9	18.5	-	11.5	9.9	8.8	-	-	128	20.3	19.1	18.0	-	11.2	9.1	8.0	-
80	-	-	-	10.5	9.4	8.5	-	-	136	18.8	18.3	14.6	-	10.7	8.9	7.9	-
88	-	-	-	9.6	8.7	8.2	-	-	144	16.9	17.5	-	-	10.4	8.6	7.9	-
96	-	-	-	9.0	8.5	-	-	-	152	15.3	15.4	-	-	9.9	8.4	7.9	-
104	-	-	-	8.4	-	-	-	-	160	14.3	11.7	-	-	9.5	8.3	7.9	-
									168	10.9	-	-	-	9.1	8.1	-	-
									176	10.2	-	-	-	8.9	8.0	-	-
									184	-	-	-	-	8.5	7.9	-	-
									192	-	-	-	-	8.3	-	-	-
									200	-	-	-	-	8.2	-	-	-

242.5 ft								
ft	0°	37.4 ft		68.9 ft		0°	20°	40°
		20°	40°	20°	40°			
1,000 lb								
64	24.5	-	-	12.6	-	-	-	-
72	24.5	-	-	12.4	-	-	-	-
80	24.5	23.1	-	12.3	-	-	-	-
88	24.5	22.4	19.0	12.0	-	-	-	-
96	24.5	21.8	18.6	11.9	10.9	-	-	-
104	24.1	21.2	18.3	11.7	10.6	-	-	-
112	21.0	20.5	18.1	11.5	10.3	8.4	-	-
120	19.0	19.6	17.8	11.4	9.9	8.2	-	-
128	16.4	18.0	17.4	11.1	9.6	8.0	-	-
136	13.8	15.6	16.5	11.0	9.5	7.9	-	-
144	11.6	13.3	14.4	10.6	9.3	7.9	-	-
152	9.7	11.2	12.3	9.7	9.0	7.7	-	-
160	7.9	9.3	10.2	8.2	8.7	7.7	-	-
168	6.4	7.6	8.5	6.8	8.3	7.7	-	-
176	5.0	6.2	6.8	5.5	7.6	7.7	-	-
184	3.8	4.8	5.5	4.3	6.3	7.1	-	-
192	-	-	4.2	-	5.0	6.3	-	-
200	-	-	2.9	-	3.8	5.0	-	-
208	-	-	-	-	-	3.8	-	-
216	-	-	-	-	-	2.7	-	-

262.5 ft								
ft	0°	37.4 ft		68.9 ft		0°*	20°*	40°*
		20°	40°*	20°*	40°*			
1,000 lb								
72	19.2	-	-	11.2	-	-	-	-
80	19.2	-	-	11.2	-	-	-	-
88	19.2	19.2	-	11.0	-	-	-	-
96	19.2	19.2	18.2	10.9	-	-	-	-
104	19.2	19.2	17.9	10.8	10.4	-	-	-
112	19.0	19.2	17.6	10.6	10.1	8.4	-	-
120	16.6	18.6	17.4	10.5	9.9	8.2	-	-
128	13.9	16.1	17.2	10.4	9.6	8.0	-	-
136	11.5	13.5	15.6	10.2	9.3	7.9	-	-
144	9.6	11.3	13.1	9.5	9.3	7.9	-	-
152	7.7	9.4	11.0	7.7	9.0	7.7	-	-
160	6.1	7.6	8.9	6.2	8.6	7.7	-	-
168	4.6	6.0	7.1	4.8	7.4	7.6	-	-
176	3.1	4.4	5.5	3.5	5.9	7.5	-	-
184	-	-	4.1	-	4.7	6.5	-	-
192	-	-	-	-	-	5.2	-	-
200	-	-	-	-	-	3.9	-	-

 \*258.5 ft





206,800 lb		28.5 ft x 27.8 ft														360°		85%	
		(ft)																	
		47.6	64.0	80.1	96.5	112.5	128.9	145.0	161.4	177.5	193.9	210.0	226.4	242.5	262.5				
ft		1,000 lb														ft			
10	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10		
12	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
14	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	14		
16	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	16		
18	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	18		
20	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	20		
24	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	24		
28	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	28		
32	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	32		
36	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	36		
40	86.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	87.7	83.1	-	-	-	-	-	-	40		
48	-	88.2	88.2	88.2	88.2	88.2	88.2	88.2	80.8	74.6	65.8	-	-	-	-	-	48		
56	-	88.2	88.2	88.2	88.2	88.2	88.2	88.2	71.0	66.1	59.9	54.2	46.8	-	-	-	56		
64	-	-	88.2	88.2	88.2	88.2	88.2	85.5	63.0	58.6	53.7	49.9	44.6	39.7	-	-	64		
72	-	-	-	77.9	82.8	81.3	79.2	80.2	56.1	52.2	48.0	45.3	41.5	38.2	31.1	-	72		
80	-	-	-	-	72.0	70.9	71.8	70.7	50.4	46.8	43.0	40.8	38.0	36.0	30.4	-	80		
88	-	-	-	-	57.8	63.1	64.2	62.0	45.8	42.0	38.8	36.9	34.6	33.5	28.8	-	88		
96	-	-	-	-	-	58.1	56.9	54.7	43.3	38.1	35.0	33.4	31.5	30.8	27.0	-	96		
104	-	-	-	-	-	47.3	50.8	48.6	40.9	34.8	31.9	30.3	28.8	28.3	25.1	-	104		
112	-	-	-	-	-	-	45.2	42.9	38.9	32.0	29.2	27.7	26.3	25.9	23.3	-	112		
120	-	-	-	-	-	-	36.2	38.2	36.9	29.4	27.4	25.6	24.2	23.6	21.4	-	120		
128	-	-	-	-	-	-	19.6	34.2	35.0	27.7	25.8	23.8	22.3	21.6	19.5	-	128		
136	-	-	-	-	-	-	-	29.7	32.1	26.2	24.3	22.2	20.5	19.6	17.8	-	136		
144	-	-	-	-	-	-	-	15.5	28.8	25.0	23.0	20.8	19.0	17.9	16.2	-	144		
152	-	-	-	-	-	-	-	-	23.1	24.0	21.7	19.4	17.7	16.4	14.6	-	152		
160	-	-	-	-	-	-	-	-	15.3	23.4	20.6	18.2	16.3	15.1	13.2	-	160		
168	-	-	-	-	-	-	-	-	-	12.2	19.7	17.1	15.1	14.0	12.0	-	168		
176	-	-	-	-	-	-	-	-	-	11.4	18.9	16.0	14.0	12.7	11.0	-	176		
184	-	-	-	-	-	-	-	-	-	-	11.6	15.2	13.1	11.6	9.9	-	184		
192	-	-	-	-	-	-	-	-	-	-	-	13.9	12.1	10.6	8.9	-	192		
200	-	-	-	-	-	-	-	-	-	-	-	10.8	11.2	9.7	8.1	-	200		
208	-	-	-	-	-	-	-	-	-	-	-	7.6	10.1	8.7	7.3	-	208		
216	-	-	-	-	-	-	-	-	-	-	-	7.1	8.9	8.0	6.4	-	216		
224	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4	5.8	-	224		
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	-	232		
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	240		

109,800 lb		28.5 ft x 27.8 ft												360°		85%	
		(ft)															
		1,000 lb															
ft	47.6	64.0	80.1	96.5	112.5	128.9	145.0	161.4	177.5	193.9	210.0	226.4	242.5	262.5	ft		
10	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	-	10		
12	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	-	12		
14	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	14		
16	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	-	16		
18	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	-	18		
20	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	-	20		
24	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	-	24		
28	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	-	28		
32	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	32		
36	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	-	-	-	-	-	36		
40	86.9	88.2	88.2	88.2	88.2	88.2	88.2	87.7	83.1	-	-	-	-	-	40		
48	-	87.9	88.2	88.0	87.6	88.2	87.4	80.8	74.6	65.8	-	-	-	-	48		
56	-	79.3	80.3	79.7	80.3	80.2	77.5	71.0	66.1	59.9	54.2	46.8	-	-	56		
64	-	-	65.5	67.4	66.5	64.6	61.9	59.9	57.7	53.7	49.9	44.6	39.7	-	64		
72	-	-	55.6	55.8	54.7	52.7	52.2	51.9	48.9	47.1	45.3	41.5	38.2	31.1	72		
80	-	-	-	46.9	46.0	44.1	45.5	43.4	41.1	41.0	39.7	38.0	36.0	30.4	80		
88	-	-	-	40.1	39.1	39.9	39.0	37.2	37.1	36.4	35.6	33.8	33.2	28.8	88		
96	-	-	-	-	35.1	35.3	33.5	33.1	32.2	32.1	31.5	30.2	28.7	27.0	96		
104	-	-	-	-	31.8	30.7	29.8	29.6	29.4	28.6	27.5	25.7	25.0	23.6	104		
112	-	-	-	-	-	26.7	26.8	25.6	25.6	24.9	23.6	21.6	21.6	19.6	112		
120	-	-	-	-	-	23.5	24.2	23.3	22.4	21.5	20.2	18.3	18.3	16.3	120		
128	-	-	-	-	-	19.6	21.1	20.9	20.0	18.6	17.2	15.3	15.3	13.4	128		
136	-	-	-	-	-	-	18.6	18.4	17.5	16.0	14.7	12.7	12.7	10.9	136		
144	-	-	-	-	-	-	15.5	16.4	15.3	13.8	12.4	10.5	10.5	8.7	144		
152	-	-	-	-	-	-	-	14.5	13.4	11.9	10.4	8.6	8.6	6.8	152		
160	-	-	-	-	-	-	-	12.7	11.6	10.1	8.8	6.8	6.8	5.0	160		
168	-	-	-	-	-	-	-	-	10.1	8.6	7.2	5.3	5.3	-	168		
176	-	-	-	-	-	-	-	-	8.8	7.3	5.7	3.9	3.9	-	176		
184	-	-	-	-	-	-	-	-	-	6.0	4.6	-	-	-	184		

Ratings are in compliance with ASME B30.5.  
Lifting capacities do not exceed 85 % of tipping load.

Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings.  
Consult operation manual for further details.

**Note:** Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes.  
Crane operation is subject to the computer charts and operation manual both supplied with the crane.

## Basic machine

### Equipment carrier

<b>Engine 430-4</b>	MTU 6R1500; Diesel engine; Output 430 kW / 1700 1/min (577 HP), torque 2750 Nm / 1300 1/min; The engine complies with Euromot 4/Tier 4F; Exhaust system complete stainless steel with SCR catalyzer.
<b>Fuel tank</b>	Fuel tank 132 gallons Diesel (no RME / biodiesel); 25 gallons AdBlue tank.
<b>Transmission AS16INT</b>	ZF AS-Tronic; Automated gearbox with integrated hydraulic secondary retarder brake, 16 forward speeds and 2 reverse; 2-stage transfer case with switchable off-road gear.
<b>Axles 12 x 6 x 10</b>	12 x 6 x 10; 6 axles, axles 3, 5 and 6 are driven and dispose of selectable transverse lock; Axle 5 with a selectable longitudinal lock; Axles 1-3 and 5-6 are steered; Axle 4 liftable.
<b>Suspension</b>	Hydropneumatic suspension with axle load compensation; Hydraulically lockable.
<b>Steering</b>	Dual-circuit steering system with independent rear axle steering; Axles 1, 2, 3 mechanically connected; Axle 5 and 6 electro-hydraulically connected; Active rear axle steering with different steering programs.
<b>Brakes</b>	Pneumatic dual circuit service brake, acting on all wheels; Disc brakes; Hydraulic retarder integrated into transmission as wearless, sustained-action brake; Additional exhaust brake; Parking brake.
<b>Tire size 385/95R25 (14.00R25)</b>	Tires size 385/95R25 (14.00R25); Steel rim 9,5-25/1,7"; TechKing ETCRANE 170F or similar.
<b>Cab 2850</b>	Type 9.4 ft; Adjustable driver seat; Armrests and pneumatic suspension; Co-driver's seat; Steering wheel height and tilt adjustable; Power windows; Tinted glass; Power mirrors with heater; Preparation for radio.
<b>Heating engine-dependent</b>	Engine-dependent warm water heating with 12 kW heating power.
<b>Driving lights</b>	Including low beams, high beams, daytime running lights.
<b>Outriggers</b>	H-4-Point design; Vertical and horizontal movement fully hydraulic; Automatic or manual levelling; 4 outrigger bases: 9.0 ft, 18.1 ft, 22.9 ft and 27.8 ft.
<b>Outrigger pads 038PA</b>	4 round polyamide outrigger pads A = 1.25 ft <sup>2</sup> with transport position at vertical cylinder.
<b>Outrigger basis monitoring</b>	Individual monitoring of horizontal stroke; Deviation warning in cab.
<b>Outrigger load indicator</b>	The outrigger load is indicated in the operator cab and the outrigger control box.
<b>Electronic immobilizer system</b>	Prevents uncontrolled carrier mobilization; Incl. 3 electronic keys.
<b>Pneumatic tire filling plug</b>	Pneumatic tire filling plug for self-inflating of the wheels.
<b>Jump starting device</b>	Jump starting device as per NATO standards; Enabling jump start by using separate energy source.
<b>Contour safety marking</b>	Continuous reflective strips on the sides of the chassis and in the back.

### Equipment superstructure

<b>Telescopic boom HA80</b>	47.6 ft - 262.5 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 4 sheaves integrated in boom head for max. capacity of 189,600 lb.
<b>Boom luffing</b>	1 luffing cylinder with automatic lowering brake valve.
<b>Rotary drive</b>	1 slewing gear unit with spring-loaded multi-disc brake.
<b>H1</b>	Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Rope twist prevention is not included.
<b>Counterweight 109,800 lb</b>	Counterweight 109,800 lb, 5 pieces (a-d).
<b>Control system</b>	Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks; Different control modes selectable for hydraulic circuits.
<b>Operator aids</b>	IC-1, with integrated load moment indicator acc. EN13000; Colour display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger.
<b>Hook height indication</b>	Displaying and programmability of the hook height H1 and/or H2 by IC-1.
<b>Cab 875</b>	Type 2.87 ft; Infinitely tilt variable 16°; Sliding windows in rear; Fold-out front window; Extendable side pedestal, front pedestal; Handrails; Tinted safety glass; Pull-down sun visor and light curtains; Preparation for radio.
<b>Heating engine-independent</b>	Engine independent warm water heating with 5 kW heating power.
<b>Anemometer</b>	Disconnectable, to allow use with all extensions.

## Additional equipment

### Carrier

<b>Engine 430-3</b>	MTU 6R1500; Diesel engine; Output 430 kW / 1700 1/min (577 HP), torque 2750 Nm / 1300 1/min; Supplier certificate for Euromot 3a / Tier 3; Exhaust system complete stainless steel.
<b>Axles 12 x 8 x 12</b>	12 x 8 x 12; 6 axles, axles 2, 3, 5 and 6 are driven and equipped with selectable transverse lock; Axle 5 with a selectable longitudinal lock; All axles are steered.
<b>Additional fuel tank</b>	Additional fuel tank 53 gallons; For 185 gallons diesel total carrier (no RME / biodiesel).
<b>Aircondition</b>	Aircondition for carrier cab with 7 kW rated cooling power.

### Superstructure

<b>Quick connection main boom (HA)</b>	Hydraulic bolt extractors and hydraulic and electric quick couplings for fast main boom (dis-) assembly; Incl. switchable suspension calibration for light travel configurations without main boom; Incl. storage space for luffing cylinder.
<b>Additional sheave on main boom head</b>	1 additional sheave; Dis-/connectable; For total 5 sheaves on boom head; Max. capacity of 236,800 lb.
<b>S1 Heavy lift attachment stage 1</b>	2 additional sheaves; Dis-/connectable; For total 7 sheaves at boom head; Max. capacity of 330,700 lb.
<b>2. hoist (H2)</b>	2. hoist; Spring-loaded multi-disc brake; Integrated resolver (hoist rotation indicator); Incl. quick couplings; Rope twist prevention is not included.
<b>Additional counterweight 97,000 lb</b>	Additional counterweight 97,000 lb; 4 pieces; For total 206,800 lb, 9 pieces.
<b>Aircondition</b>	Aircondition for crane cab with 5 kW rated cooling power.

### Handling

<b>Remote control</b>	Control of rigging and superstructure operations via wireless remote control.
<b>Working range limiter IC-1 Plus</b>	Displaying and programmability of the work range limits by IC-1. Smart crane control system for main boom operation enabling higher lifting capacities especially over outriggers. Enables safe use of the full capacity of the crane even in asymmetric outrigger configurations. Outriggers can be positioned independently. Capacity precalculation for +/- 30° slewing angle and radius area. In-cab lift simulation.

### Extensions

<b>HAV 36.1 ft</b>	36.1 ft; Lattice swing-away jib, manual offset 20° / 40°; 1-sheave head; Incl. transport storage; Not transportable with 26,500 lb axle load limit.
<b>HAV 68.9 ft</b>	68.9 ft; Double folding swing-away jib, manual offset 20° / 40°; 1-sheave head; Incl. transport storage; Not transportable with 26,500 lb axle load limit; Includes HAV 36.1 ft.
<b>HAV-HY</b>	Hydraulic offset (0°-40°) instead of manual offset (20° / 40°); Available for HAV 36.1 ft and HAV 68.9 ft.
<b>MS (runner)</b>	5.25 ft; Assembly jib with fixed angle; 2-sheaved for max. capacity 88,200 lb; Incl. transport storage at the left side of main boom; Not transportable within 9.8 ft crane width.

### Hook Blocks

<b>Hook block 160-7-23-D-1700</b>	160-7-23-D (3,750 lb); Hook block with ramshorn hook; with white red signal stripes.
<b>Hook block 125-5-23-D-1200</b>	125-5-23-D (2,650 lb); Hook block with ramshorn hook; with white red signal stripes.
<b>Hook block 80-3-23-D-1050</b>	80-3-23-D (2,320 lb); Hook block with ramshorn hook; with white red signal stripes.
<b>Hook block 40-1-24-D-750</b>	40-1-24-D (1,650 lb); Hook block with ramshorn hook; white with red signal stripes.
<b>Hook 12.5-0-24-E-500</b>	12.5-0-24-E (1,100 lb); Single hook; red.

#### Further additional equipment on request!

Weight data may deviate from posted values based on road / travel configuration, equipment configuration, and component weight tolerances.

A large rectangular area with horizontal lines, intended for taking notes.



A large rectangular area with horizontal lines, intended for taking notes.

Effective Date: February 2017.

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